

Fig. 1

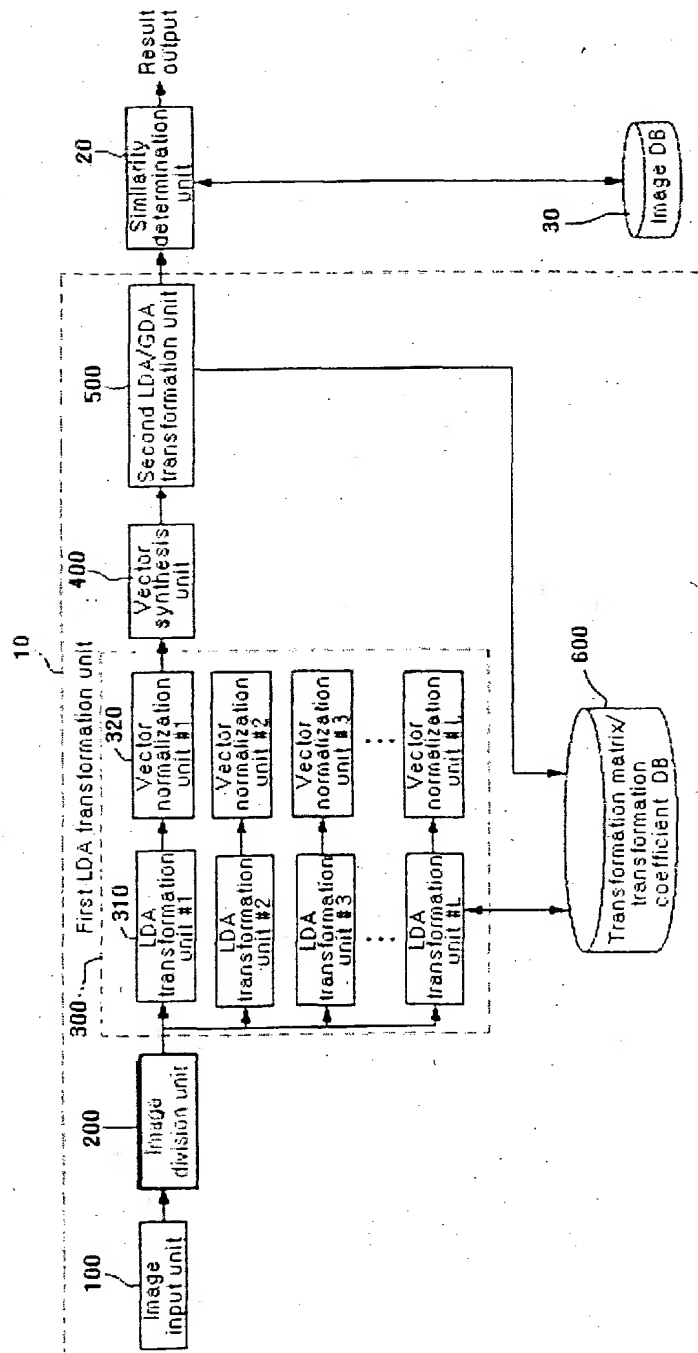


Fig. 2

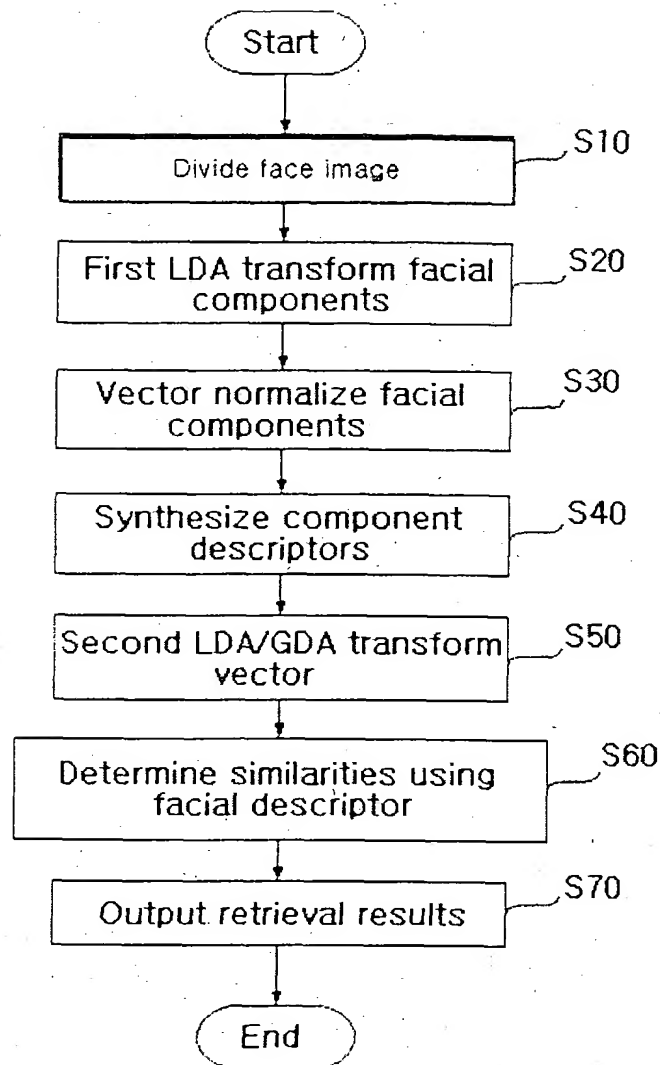


Fig. 3

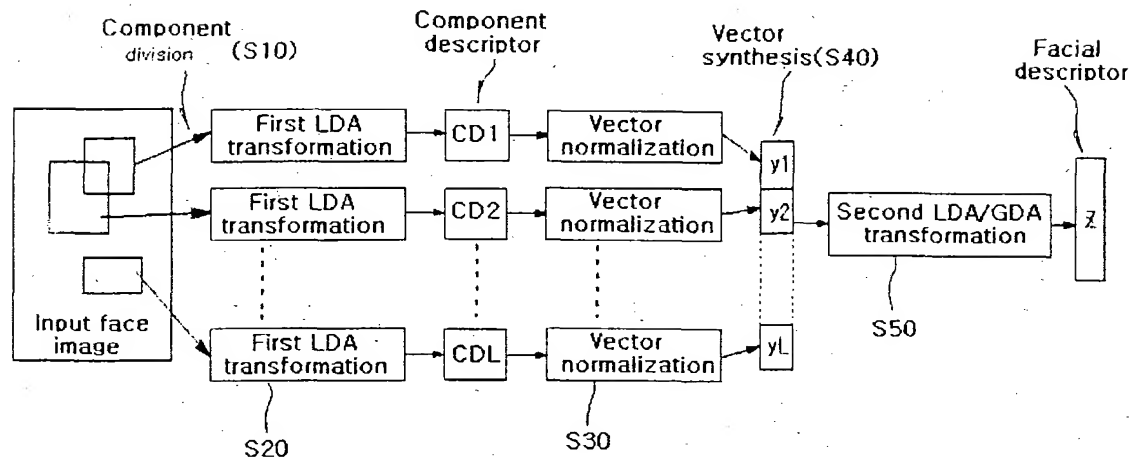


Fig. 4

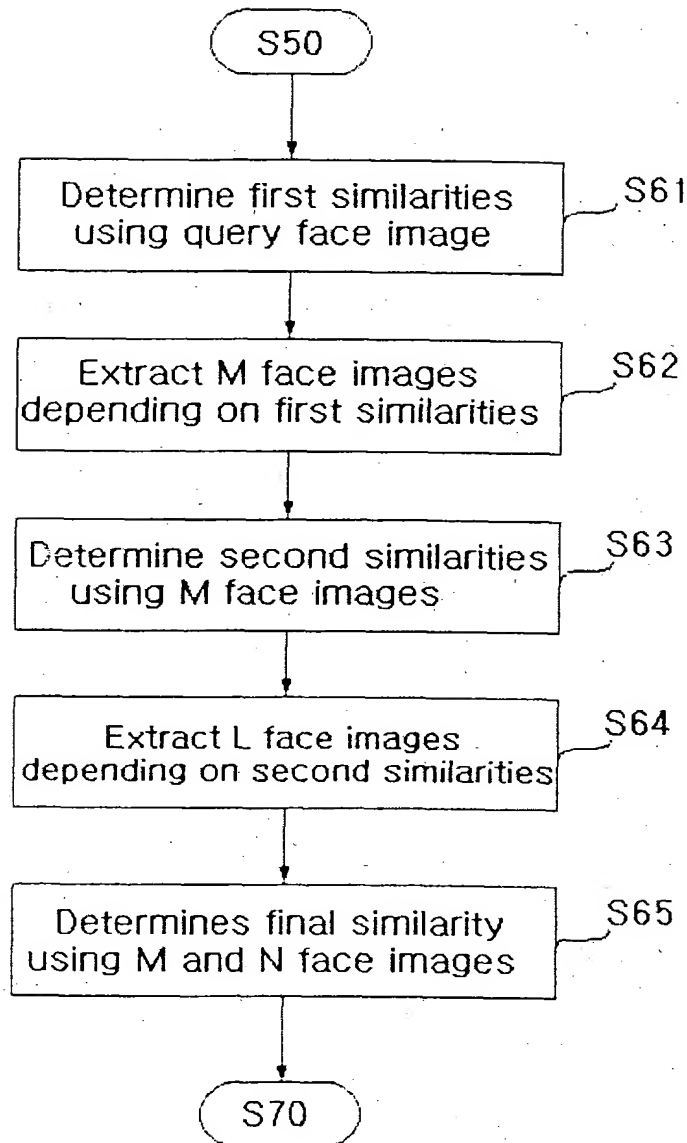


Fig. 5a



Input face image

Fig. 5b



Divided face  
image

Fig.6

| Items        | Experiment 1 |        | Experiment 2 |        | Experiment 3 |        |
|--------------|--------------|--------|--------------|--------|--------------|--------|
|              | ANMRR        | FIR    | ANMRR        | FIR    | ANMRR        | FIR    |
| Holistic     | 0.1448       | 0.0573 | 0.1267       | 0.0477 | 0.1950       | 0.0641 |
| LDA -<br>LDA | 0.1257       | 0.0467 | 0.0898       | 0.0222 | 0.1466       | 0.0368 |
| LDA -<br>GDA | 0.1031       | 0.0358 | 0.0677       | 0.0168 | 0.1108       | 0.0239 |